

**6/28/02**

**To: TARIFUR CHOWDHURY**

**Re: 09/885,166 US 5,914,763**

**Attached are search results.**

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**If more searching or explanation is needed, please let me know.**

**Thanks,  
Darcy Bates  
STIC-EIC2800  
306-5419  
CP4-9C 18**

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Terms: patno=5914763 [\(Edit Search\)](#)

00056780 5914763 June 22, 1999

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT  
**5914763**

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June 22, 1999

Liquid crystal display with substantially equal resistances for sets of terminal electrodes and inclined wiring electrodes

**INVENTOR:** Fujii, Tatsuhisa, Mobara, JPX; Katayama, Mitsugu, Mobara, JPX; Ohira, Tomohide, Yokohama, JPX; Fumikura, Tatsuyuki, Mobara, JPX; Madokoro, Hitomi, Mobara, JPX

**APPL-NO:** 00056780

**FILED-DATE:** April 8, 1998

**GRANTED-DATE:** June 22, 1999

**PRIORITY:** September 8, 1994 - 6-214785, Japan (JP); September 8, 1994 - 6-214825, Japan (JP); September 12, 1994 - 6-216857, Japan (JP)

**ASSIGNEE-AT-ISSUE:** Hitachi, Ltd., Tokyo, JPX; Hitachi Device Engineering Co., Ltd., Mobara, JPX

**LEGAL-REP:** Antonelli, Terry, Stout & Kraus, LLP

**PUB-TYPE:** June 22, 1999 - Utility Patent having no previously published pre-grant publication (A)

**PUB-COUNTRY:** United States (US)

**REL-DATA:** Addition of Ser. No. 5757450; Addition of Ser. No. 523842, September 7, 1995

**US-MAIN-CL:** 349#149

**US-ADDL-CL:** 349#143, 349#150, 349#152

**IPC-MAIN-CL:** G 02F001#1345

**IPC ADDL CL:** G 02F001#1343

**SEARCH-FLD:** 349#143, 349#152, 349#150, 349#149

**PRIM-EXMR:** Sikes, William L.

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patno=5914763

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06/28/02

US 5,914,763

09/885166

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Selected file: PLUSPAT

Search statement 2

?us5914763/pn

\*\* SS 2: Results 1

Search statement 3

?prt fu legalall max

1/1 PLUSPAT - (C) QUESTEL-ORBIT- image  
CPIM (C) Questel-Orbit  
PN - US5914763 A 19990622 [US5914763]  
TI - (A) Liquid crystal display with substantially equal resistances for sets of terminal electrodes and inclined wiring electrodes  
PA - (A) HITACHI LTD (JP); HITACHI DEVICE ENG (JP)  
IN - (A) FUJII TATSUHISA (JP); KATAYAMA MITSUGU (JP); OHIRA TOMOHIDE (JP); FUMIKURA TATSUYUKI (JP); MADOKORO HITOMI (JP)  
AP - US5678098 19980408 [1998US-0056780]  
PR - JP21478594 19940908 [1994JP-0214785]  
- JP21482594 19940908 [1994JP-0214825]  
- JP21685794 19940912 [1994JP-0216857]  
- US5678098 19980408 [1998US-0056780]  
- US52384295 19950907 [1995US-0523842]  
IC - (A) G02F-001/1343 G02F-001/1345  
EC - G02F-001/1345  
PCL - ORIGINAL (O) : 349149000; CROSS-REFERENCE (X) : 349143000 349150000  
349152000  
DT - Basic  
CT - US4515647; US5402255; US5555116; US5572346; US5668700; US5680191;  
US5734458; US5737053; US5742074; US5906071  
STG - (A) United States patent  
AB - A liquid crystal display including a plurality of parallel display electrodes wired over an electrode substrate, terminals for the display electrodes led out to the end portion of the electrode substrate and connected to TCPs, the terminals having pitches smaller than those of the display electrodes, and leadout wirings for connecting the display electrodes and the terminals. The leadout wirings each consist of a portion extending from a respective display electrode as it is, a portion extended from the respective terminals as it is, and almost parallel, inclined linear wiring that connects the two extended portions. The length of the two extended portions and the width of the inclined linear wiring are adjusted so that the wiring resistances of the individual leadout wirings are substantially equal.

1/1 LGST - (C) LEGSTAT  
PN - US 5914763 [US5914763]  
AP - US 56780/98 19980408 [1998US-0056780]  
DT - US-P  
ACT - 19980408 US/AE-A  
APPLICATION DATA (PATENT)  
{US 56780/98 19980408 [1998US-0056780]}  
- 19990622 US/A  
PATENT

06/28/02

US 5,914,763

09/885166

UP - 1999-29

Search statement 3

?file inpadoc

Selected file: INPADOC

Search statement 2

?fam us5914763/pn

1 Patent Groups

\*\* SS 2: Results 5

Search statement 3

?famstate nonstop

1/5 INPADOC - (C) INPADOC

PN - JP 8076136 A2 19960322 [JP08076136]

TI - LIQUID CRYSTAL DISPLAY DEVICE

IN - FUJII TATSUHISA; KATAYAMA MITSUGI; OHIRA TOMOHIDE; FUMIKURA TATSUNORI; MADOKORO HITOMI

PA - HITACHI LTD; HITACHI DEVICE ENG

AP - JP 214785/94-A 19940908 [1994JP-0214785]

PR - JP 214785/94-A 19940908 [1994JP-0214785]

IC - G02F-001/1345

2/5 INPADOC - (C) INPADOC

PN - JP 8076137 A2 19960322 [JP08076137]

TI - LIQUID CRYSTAL DISPLAY DEVICE

IN - FUJII TATSUHISA; KATAYAMA MITSUGI; OHIRA TOMOHIDE; FUMIKURA TATSUNORI; MADOKORO HITOMI

PA - HITACHI LTD; HITACHI DEVICE ENG

AP - JP 214825/94-A 19940908 [1994JP-0214825]

PR - JP 214825/94-A 19940908 [1994JP-0214825]

IC - G02F-001/1345

3/5 INPADOC - (C) INPADOC

PN - JP 8136939 A2 19960531 [JP08136939]

TI - LIQUID CRYSTAL DISPLAY DEVICE AND ITS PRODUCTION

IN - FUMIKURA TATSUNORI; FUJII TATSUHISA; HIRAKATA JUNICHI; MADOKORO HITOMI; OHIRA TOMOHIDE

PA - HITACHI LTD; HITACHI DEVICE ENG

AP - JP 232615/95-A 19950911 [1995JP-0232615]

PR - JP 232615/95-A 19950911 [1995JP-0232615]

- JP 216857/94-A 19940912 [1994JP-0216857]

IC - G02F-001/1343

4/5 INPADOC - (C) INPADOC

PN - US 5757450 A 19980526 [US5757450]

TI - LIQUID CRYSTAL DISPLAY WITH COLOR FILTERS AND SIZES OF INCLINED LINEAR WIRING AND TERMINAL ELECTRODES ADJUSTED FOR EQUAL RESISTANCES

06/28/02

US 5,914,763

09/885166

IN - FUJII TATSUHISA [JP]; KATAYAMA MITSUGU [JP]; OHIRA TOMOHIDE [JP];  
FUMIKURA TATSUYUKI [JP]; MADOKORO HITOMI [JP]  
PA - FUJII TATSUHISA [JP]; KATAYAMA MITSUGU [JP]; OHIRA TOMOHIDE; FUMIKURA  
TATSUYUKI; MADOKORO HITOMI  
AP - US 523842/95-A 19950907 [1995US-0523842]  
PR - JP 214785/94-A 19940908 [1994JP-0214785]  
- JP 214825/94-A 19940908 [1994JP-0214825]  
- JP 216857/94-A 19940912 [1994JP-0216857]  
IC - G02F-001/1335; G02F-001/1345

1/1 LEGALI - (C) LEGSTAT  
PN - US 5757450 [US5757450]  
AP - US 523842/95 19950907 [1995US-0523842]  
DT - US-P  
ACTE- 19950907 US/AE-A  
APPLICATION DATA (PATENT)  
{US 523842/95 19950907 [1995US-0523842] }  
- 19971118 US/AS02  
ASSIGNMENT OF ASSIGNEE'S INTEREST  
HITACHI, LTD. CHIYODA-KU 6, KANDA SURUGADAI 4-CHOME TOKYO, JAPAN;  
HITACHI DEVICE \* FUJII, TATSUHISA : 19950720; KATAYAMA, MITSUGU :  
19950720; OHIRA, TOMOHIDE : 19950720; FUMIKURA, TATSUYUKI : 19950720;  
M : 19950720  
- 19980526 US/A  
PATENT  
UP - 2000-06

5/5 INPADOC - (C) INPADOC  
PN - US 5914763 A 19990622 [US5914763]  
TI - LIQUID CRYSTAL DISPLAY WITH SUBSTANTIALLY EQUAL RESISTANCES FOR SETS  
OF TERMINAL ELECTRODES AND INCLINED WIRING ELECTRODES  
IN - FUJII TATSUHISA [JP]; KATAYAMA MITSUGU [JP]; OHIRA TOMOHIDE [JP];  
FUMIKURA TATSUYUKI [JP]; MADOKORO HITOMI [JP]  
PA - HITACHI LTD [JP]; HITACHI DEVICE ENG [JP]  
AP - US 56780/98-A 19980408 [1998US-0056780]  
PR - US 56780/98-A 19980408 [1998US-0056780]  
- JP 214785/94-A 19940908 [1994JP-0214785]  
- JP 214825/94-A 19940908 [1994JP-0214825]  
- JP 216857/94-A 19940912 [1994JP-0216857]  
- US 523842/95-A1 19950907 [1995US-0523842]  
IC - G02F-001/1345; G02F-001/1343

1/1 LEGALI - (C) LEGSTAT  
PN - US 5914763 [US5914763]  
AP - US 56780/98 19980408 [1998US-0056780]  
DT - US-P  
ACTE- 19980408 US/AE-A  
APPLICATION DATA (PATENT)  
{US 56780/98 19980408 [1998US-0056780] }  
- 19990622 US/A  
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